

JUL 15 2002

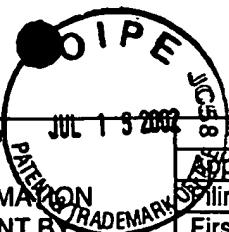
<p>Substitute for form 1449A-B/P-9 INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i></p>		Complete if Known	
		Application Number	10/081,526
		Filing Date	February 21, 2002
		First Named Inventor	Jack Wilkinson
		Group Art Unit	Unassigned 1679
		Examiner Name	Unassigned T. Wilkinson
Attorney Docket Number 0174.210US			

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
TDW	1	5,521,077		Khosla et al.	05/28/96
	2	5,723,323		Kauffman et al.	03/03/98
	3	5,824,469		Horwitz et al.	10/20/98
	4	5,965,408		Short	10/12/99
	5	6,171,820	B1	Short	01/09/01
	6	6,238,884	B1	Short et al.	05/29/01
	7	6,319,714	B1	Cramer et al.	11/20/01
	8	6,358,740	B1	Patten et al.	03/19/02
↓	9	6,368,861	B1	Cramer et al	04/09/02

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
		Office	Number			
TDW	10	WO	97/07205	A1	Novo Nordisk	02/27/1997
	11	WO	97/20078	A1	Affymax Technologies N.V.	06/05/1997
	12	WO	97/25410	A1	Novo Nordisk	07/17/1997
	13	WO	97/35957	A1	Maxygen, Inc.	10/02/1997
	14	WO	97/35966	A1	Maxygen, Inc.	10/02/1997
	15	WO	98/27230	A1	Maxygen, Inc.	06/25/1998
	16	WO	98/28416	A1	Novo Nordisk	07/02/1998
	17	WO	98/41622	A1	Novo Nordisk	09/24/1998
	18	WO	98/41623	A1	Novo Nordisk	09/24/1998
	19	WO	98/41653	A1	Novo Nordisk	09/24/1998
	20	WO	98/42832	A1	California Institute of Technology	10/01/1998
	21	WO	99/23236	A1	Diversa Corporation	05/14/1999
↓	22	WO	99/29902	A1	California Institute of Technology	06/17/1999

Examiner Signature	T. D. <i>W</i>	Date Considered	6/13/05
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Substitute for form 1449A-B/PTO		JUL 1 9 2002		Complete if Known	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT					
(use as many sheets as necessary)					
		Application Number 10/081,526 Filing Date February 21, 2002 First Named Inventor Jack Wilkinson et al. Group Art Unit Unassigned 1639 Examiner Name Unassigned T.O. Mersing Attorney Docket Number 0174.210US			

tdw	23	WO	99/65927	A1	Maxygen, Inc.	12/23/1999	
	24	WO	00/04190	A1	Maxygen, Inc.	01/27/2000	
	25	WO	00/42561	A1	Maxygen, Inc.	07/20/2000	
	26	WO	00/52155	A1	Maxygen, Inc.	09/08/2000	
	27	WO	00/53744	A1	Diversa Corporation	09/14/2000	
↓	28	WO	00/58517	A1	Diversa Corporation	10/03/2000	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
THW	29	CHANG, C., et al. "Evolution of a cytokine using DNA family shuffling," <i>Nature Biotechnology</i> , (1999) 17:793-797.	
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	33	CRAMERI, A. et al., "Combinatorial Multiple Cassette Mutagenesis Creates All the Permutations of Mutant and Wild-Type Sequences", <i>BioTechniques</i> , (1985) 18:194-196	
	34	CRAMERI, A. et al. "Construction and evolution of antibody-phage libraries by DNA shuffling", <i>Nature Medicine</i> , (1996) 2:100-103.	
	35	CRAMERI, A. et al. "Improved green fluorescent protein by molecular evolution using DNA shuffling", <i>Nature Biotechnology</i> , (1996) 14:315-319	
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	38	LASSNER, MICHAEL et al., "Directed molecular evolution in plant improvement", <i>Current Opinion in Plant Biology</i> , (2001) 4:152-156	
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Examiner Signature	T. D. M	Date Considered	6/13/05
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		First Named Inventor	Jack Wilkinson et al.
		Group Art Unit	Unassigned 1639
		Examiner Name	Unassigned T. D. Whalen
		Attorney Docket Number	0174.210US

41	MINSHULL, JEREMY et al., "Protein evolution by molecular breeding", <i>Current Opinion in Chemical Biology</i> , (1999) 3:284-290
42	NESS, JON E. et al., "DNA shuffling of subgenomic sequences of subtilisin", <i>Nature Biotechnology</i> , (1999) 17:893-896.
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45	PATTEN, PHILIP A. et al., "Applications of DNA shuffling to pharmaceuticals and vaccines", <i>Current Opinion in Biotechnology</i> , (1997) 8:724-739
46	POWELL, SHARON K. et al., "Breeding of retroviruses by DNA shuffling for improved stability and processing yields", <i>Nature Biotechnology</i> , (2000) 18:1279-1282
47	PUNNONEN, JUHA et al., "Molecular Breeding by DNA Shuffling", <i>Science and Medicine</i> , (2000) 38-47
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53	STEMMER, WILLEM P.C "Sexual PCR and Assembly PCR", <i>Encyclopedia of Molecular Biology and Molecular Medicine</i> , (1996) 5:447-457
54	STEMMER, WILLEM P.C et al., "Molecular breeding of viruses for targeting and other clinical properties" <i>Tumor Targeting</i> , (1999) 4:1-4
55	TOBIN, MATTHEW B. et al., "Directed evolution: the 'rational' basis for 'irrational' design", <i>Current Opinion in Structural Biology</i> , (2000) 10:421-427
56	WHALEN, ROBERT G. et al., "DNA shuffling and vaccines", <i>Current Opinion in Molecular Therapeutics</i> , (2001) 3:31-36
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Examiner Signature	T. D. Whalen	Date Considered	6/13/05
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		Group Art Unit	Unassigned 1639
		Examiner Name	Unassigned T. O. Wessendorf
		Attorney Docket Number	0174.210 US

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